ACM TRANSACTIONS ON DATABASE SYSTEMS

Volume 10 • 1985

Editor-in-Chief Robert W. Taylor

Associate Editors Francois Bancilhon, Rudolf Bayer, Philip A. Bernstein, Umeshwar Dayal, David J. DeWitt, Stuart E. Madnick, Gerald Salton, Arie Shoshani, Gio Wiederhold

Published by the Association for Computing Machinery

Copyright © 1985, Association for Computing Machinery, Inc.
11 West 42nd Street, New York, NY 10036

Volume 10 • 1985
Contributed Papers

529 AGRAWAL, R.
Integrated Concurrency Control and Recovery Mechanisms: Design and Performance Evaluation

230 ALBANO, A.
Galileo: A Strongly-Typed, Interactive Conceptual Language

322 BATORY, D. S.
Modeling Concepts for VLSI CAD Objects

463 BATORY, D. S.
Modeling the Storage Architectures of Commercial Database Systems

117 BEVER, M.
Database Hosting in Strongly-Typed Languages

565 BORGIDA, A.
Language Features for Flexible Handling of Exceptions in Information Systems

CARDELLI, L. See Albano, A.

127 CHEN, W.-C.
Addendum to "Analysis of Some New Variants of Coalesced Hashing"

CHOI, U. J. See Liew, C. K.

DEWITT, D. J. See Agrawal, R.

1 FRANASZEK, P.
Limitations on Concurrency in Transaction Processing

GOODMAN, N. See Tay, Y. C.

261 HUANG, S.-H. S.
Height-Balanced Trees of Order (β, γ, δ)

IBARAKI, T. See Katoh, N.

ITTNER, D. See Pramanik, S.

KAMEDA, T. See Katoh, N.

ACM TRANSACTIONS ON DATABASE SYSTEMS

Volume 10 • 1985

Editor-in-Chief Robert W. Taylor

Associate Editors Francois Bancilhon, Rudolf Bayer, Philip A. Bernstein, Umeshwar Dayal, David J. DeWitt, Stuart E. Madnick, Gerald Salton, Arie Shoshani, Gio Wiederhold

Published by the Association for Computing Machinery

Copyright © 1985, Association for Computing Machinery, Inc.
11 West 42nd Street, New York, NY 10036

Volume 10 • 1985
Contributed Papers

529 AGRAWAL, R.
Integrated Concurrency Control and Recovery Mechanisms: Design and Performance Evaluation

230 ALBANO, A.
Galileo: A Strongly-Typed, Interactive Conceptual Language

322 BATORY, D. S.
Modeling Concepts for VLSI CAD Objects

463 BATORY, D. S.
Modeling the Storage Architectures of Commercial Database Systems

117 BEVER, M.
Database Hosting in Strongly-Typed Languages

565 BORGIDA, A.
Language Features for Flexible Handling of Exceptions in Information Systems

CARDELLI, L. See Albano, A.

127 CHEN, W.-C.
Addendum to "Analysis of Some New Variants of Coalesced Hashing"

CHOI, U. J. See Liew, C. K.

DEWITT, D. J. See Agrawal, R.

1 FRANASZEK, P.
Limitations on Concurrency in Transaction Processing

GOODMAN, N. See Tay, Y. C.

261 HUANG, S.-H. S.
Height-Balanced Trees of Order (β, γ, δ)

IBARAKI, T. See Katoh, N.

ITTNER, D. See Pramanik, S.

KAMEDA, T. See Katoh, N.

205 KATOH, N.
Cautious Transaction Schedulers with Admission Control
KIM, W. See Batory, D. S.
LAM, K. See Yu, C. T.
75 LARSON, P. A.
Linear Hashing with Overflow-Handling by Linear Probing
LIEW, C. J. See Liew, C. K.
395 LIEW, C. K.
A Data Distortion by Probability Distribution
ORSINI, R. See Albano, A.
97 PALVIA, P.
Expressions for Batched Searching of Sequential and Hierarchical Files
285 PIWOWARSKI, M.
Comments on Batched Searching of Sequential and Tree-Structured Files
57 PRAMANIK, S.
Use of Graph-Theoretic Models for Optimal Relational Database Accesses to Perform Join
ROBINSON, J. T. See Franaszek, P.
29 SACCA, D.
Database Partitioning in a Cluster of Processors
163 SCHKOLNICK, M.
Estimating the Cost of Updates in a Relational Database
SIU, M. K. See Yu, C. T.
347 SUBIETA, K.
Semantics of Query Languages for Network Databases
SUEN, C. -M. See Yu, C. T.
SURI, R. See Tay, Y. C.
415 TAY, Y. C.
Locking Performance in Centralized Databases
TIBERIO, P. See Schkolnick, M.
289 ULLMAN, J. D.
Implementation of Logical Query Languages for Databases
90 VEKLEROV, E.
Analysis of Dynamic Hashing with Deferred Splitting
129 VITTER, J. S.
An Efficient I/O Interface for Optical Disks
VITTER, J. S. See Chen, W.-C.
WIEDERHOLD, G. See Sacca, D.
180 YU, C. T.
Adaptive Record Clustering